



Date: 12/4/2023

Federal Communications Commissions
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046

RE: Professional Installation Justification

FCC ID: 2AK3W-POLARIS

To whom it may concern:

In accordance with Section 15.203 of the Commission's Rules, PaneraTech, Inc. declares that professional installation is justified for the Industrial Asset Surveillance System. The Industrial Asset Surveillance System (Polaris) is used to monitor the security and safety of industrial assets such as glass furnaces, steel melting furnaces and other assets using fixed ultrawideband sensors attached to the asset walls. The system is marketed for industrial use only and is not sold to the general public. It is only installed by PaneraTech, Inc. trained installation professional employees. Additionally, all parts of the system, including the antennas, are manufactured and assembled by PaneraTech, Inc. and shipped to the manufacturing site.

PaneraTech, Inc. enters into contracts with customers directly to install the system on the asset. The assets are located in manufacturing facilities with strict security and safety requirements. Therefore the professional installers must undergo specific safety training and wear proper and specific personal protective equipment.

The custom-designed antennas installed on the asset must be installed in specific locations defined by PaneraTech, Inc. and the customer using unique mounting mechanisms that can withstand very high temperatures and other physical needs. This requires specific technical training and tools in order to properly and safely install the antennas. Additionally, the cable type connecting the antennas to the control units are defined by PaneraTech, Inc. and also must withstand high temperatures around the assets. The professional installation team must route these cables properly to comply with the temperature, safety, and security requirements of the manufacturing facility. Electrical tests are performed to ensure proper connections and contact of the antennas with the asset walls. Therefore, all steps of the installation are controlled by PaneraTech, Inc. employees.



Yakup Bayram
PaneraTech, Inc.
FCC FRN: 0023480601
4125 Lafayette Center Drive, Suite 200
Chantilly, VA 20151
United States
yakup.bayram@paneratech.com

Sincerely yours,

A handwritten signature in black ink, appearing to be 'Yakup Bayram', written over a horizontal line.

Yakup Bayram
4125 Lafayette Center Drive, Suite 200
Chantilly, VA 20151
United States
yakup.bayram@paneratech.com